

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number
WO 2005/029308 A2

(51) International Patent Classification⁷: G06F 3/033

(72) Inventor; and

(75) Inventor/Applicant (for US only): MÄKELÄ, Mikko [FI/FI]; Insinöörinkatu 47 A 23, FIN-33720 Tampere (FI).

(21) International Application Number: PCT/IB2004/003073

(74) Agent: WEYRES, Alexandra; Cohausz & Florack (24), Bleichstrasse 14, 40211 Düsseldorf (DE).

(22) International Filing Date: 21 September 2004 (21.09.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

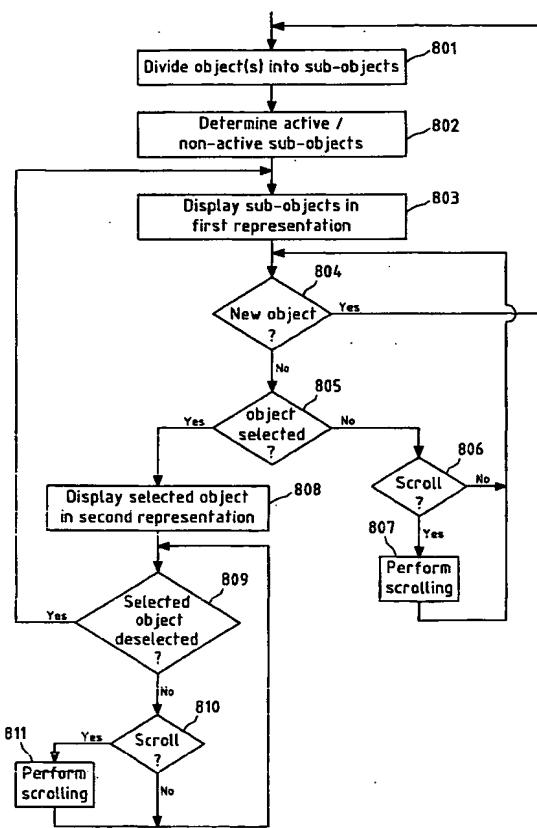
| | | |
|------------|--------------------------------|----|
| 10/671,430 | 24 September 2003 (24.09.2003) | US |
| 10/820,442 | 7 April 2004 (07.04.2004) | US |

(71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: IMPROVED PRESENTATION OF LARGE OBJECTS ON SMALL DISPLAYS



(57) Abstract: This invention relates to method for presenting at least a part of an object, comprising at least partially dividing at least one object into a plurality of sub-objects, presenting said plurality of sub-objects in a first representation, making at least one sub-object of said plurality of sub-objects an active sub-object, and in response to a user operation on said at least one active sub-object, presenting at least one of said at least one active sub-objects in a second representation. Said at least one object may be a 2D object, e.g. a Hyper-text Markup Language HTML page or a page of a text document, or a 3D object, e.g. a Virtual Reality Markup Language VRML object, and said display may be integrated in a portable electronic device. The invention further relates to a device, a system, a computer program and a computer program product.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*